SECTION 4 — TPFDD EDITOR

The DART TPFDD Editor provides the capability to view, create, and edit the contents of TPFDDs, to create entirely new TPFDDs, and to analyze force modules (FM), using rapid and convenient graphical display tools. The TPFDD Editor process is completely independent of the DART Summary Analysis (Models) process.

MOUSE NAVIGATION CONSIDERATIONS

Selections are made within the TPFDD editor by simply using the mouse "point and click" technique. However, a single click is (unlike Microsoft "Windows") all that is required.

Exiting pop-up windows without an "exit" or "cancel" button when no selection is desired is accomplished by placing the mouse arrow outside the window and clicking the middle mouse button. On a single button mouse, place the arrow outside the menu box and press return.

Alternately, when confirm/cancel options are offered, these may be selected by mouse click, or by keystroke (**o**-c**O**nfirm, **a**-c**A**ncel).

4.1 HOW TO START AND STOP THE TPFDD EDITOR

START TPFDD EDITOR

Selection of the **TPFDD icon** from the DART Main Icon Bar activates (starts) the TPFDD Editor. While the TPFDD Editor is loading, a TPFDD Editor Background Window will appear with the message "*Please Wait…*" . The TPEDIT Background Window may be iconified at any time, if its presence is inconvenient.

The first thing the user should do on entry into the TPFDD Editor is select the desired TPFDD.

EXIT FROM TPFDD EDITOR

Select **Exit** from the **TPFDD Operations Pop-Up Menu**. The current TPFDD will be deselected, all changes will be retained, this session of TPFDD Editing will be terminated, and the system will return to the DART Main Menu.

TEMPORARILY LEAVE TPFDD EDITOR

To temporarily leave the TPFDD Editor, in order to perform operations in another area of DART (or any other system window), simply **iconify** the TPFDD window by using the iconify box in the upper left corner. This keeps the TPFDD Editor functions readily available with only a minor performance penalty. This is a convenient way to keep the TPFDD Editor View function handy, while doing work in other areas of DART (or other applications).

4.2 TOP LEVEL CONTROLS

4.2.1 Top Level Window

When activated, the TPFDD Editor displays the following window, which overlays the top level DART window (or any other active window). The various features are described below.

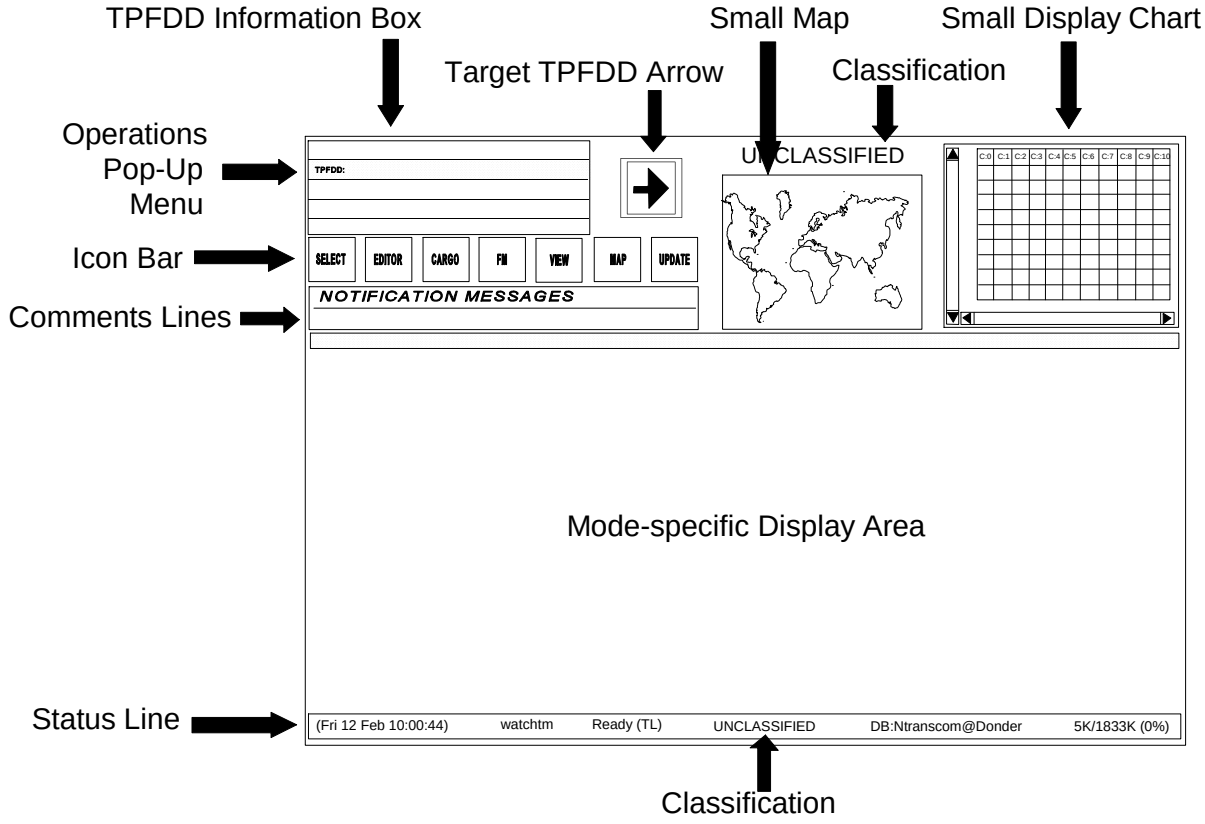


Figure 4-1: TPFDD Editor Top Level Window

The TPFDD Editor is controlled through icon buttons, pop-up menus, and mouse actions.

4.2.2 TPFDD Editor Icon Bar

The TPFDD Editor Icon Bar, displayed in the upper left quadrant of the screen, is the key control element for selecting the major TPFDD Editor functions.

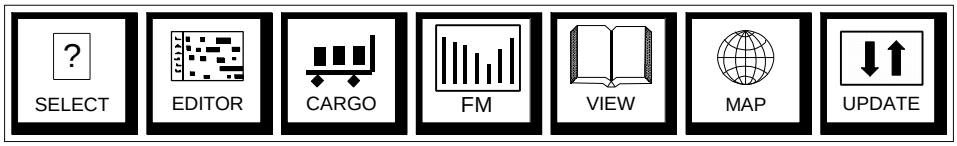


Figure 4-2: TPFDD Editor Icon Bar

The TPFDD Editor Icon Bar provides icon buttons that access these functions:

Icon	Function
Select	Retrieve User-Specified Records
Editor	Display and Edit Movement Requirements
Cargo	Edit Cargo Detail
FM	Analyze Force Module Operations
View	Query and View Geographic Location (GEOLOC) and TUCHA Standard Reference Files
Map	View Geographical Map
Update	View and Modify History Update File

Each function is activated using the TPFDD Editor Icon Bar, displayed in the upper left corner of the screen directly under the TPFDD Information Box. Click on the appropriate icon to select any of these functions.

Each function uses the lower portion of the screen to display TPFDD related information, and provides its own set of options.

4.2.3 TPFDD Information Box

The TPFDD Information Box is the white box, with five lines of text, located in the upper left corner of the TPFDD Editor screen.

DARPA / RADC / USTRANSCOM (10/06/93 15:46:04 version)
TPFDD : 5099-TRAIN-0099 (5099X 01-JAN-1994)
PACOM TRAINING TPFDD
PACOM
UNCLASSIFIED 195 ULNs 33 CINs 5 PINs

Figure 4-3: TPFDD Information Box

Once a TPFDD is selected and loaded, TPFDD Summary Data (where it exists) is displayed in several rows of this box. That data includes:

- The version number of the DART software in use
- TPFDD Name, OPLAN ID, OPLAN Date

  (This entry line is mouse sensitive, and when selected displays the **TPFDD Operations Pop-Up Menu**. See below.)
- TPFDD Description
- TPFDD Objective Area
- TPFDD Security Classification and record count (ULNs, CINs, PINs).

The TPFDD data entries are only displayed if the selected TPFDD provides that data.

The record count shows the total number of ULNs, CINs, and PINs in the selected TPFDD. Occasionally, the totals do not update when a create/delete operation occurs. This is indicated by slash characters appearing over the numbers. Click the left mouse button on the numbers to force an update.

Whenever a target TPFDD is selected, a second **TPFDD Information Box** is displayed to the right of the primary one, displaying similar data for the Target TPFDD.

4.2.4 How To Select TPFDDs

A TPFDD must be specifically selected after the TPFDD Editor has been started. Any TPFDD currently loaded into the DART Oracle database may be selected. Only one TPFDD can be chosen at one time as the primary TPFDD for editing, viewing, and Force Module (FM)

analysis. A second TPFDD can be designated as the target TPFDD for copy actions. TPFDDs may be downloaded into and uploaded from the database using DART top-level operations; alternately, completely new TPFDDs may be created within the TPFDD Editor.

For TPFDD selection, the user must know both the TPFDD Name and the supported OPLAN ID, since the DART database organizes TPFDDs under OPLANs. If these are unknown or uncertain, the selection menus may be used for browsing, as long as the last menu of TPFDDs is exited without a selection.

Follow these steps to select a TPFDD:

1. Access the TPFDD Operations Pop-Up menu by clicking on the **TPFDD:** line in the TPFDD Information Box.

2. A pop-up menu appears containing a list of OPLANs to choose from. (The descriptive text provided is actually taken from one of the OPLAN's subordinate TPFDD descriptions, and may not be entirely accurate for any other subordinate TPFDD.) Click the left mouse button on the desired OPLAN.

3. A pop-up menu now appears containing a list of TPFDDs associated with that specific OPLAN. (An OPLAN can have several TPFDDs associated with it). For each TPFDD, its name, date of creation, description, objective area, and classification will be displayed. Click the left mouse button on the desired TPFDD. (Or exit this stage, without selection, by clicking the middle mouse button while the cursor is NOT highlighting anything.)

4. When the selected TPFDD is loading, information windows displaying various system messages will be present on the screen. A blinking yellow "D" in the left corner of the status line indicates that the system is accessing the database.

5. When the white blinking cursor appears in the left of the Notification Messages window and the message "Ready" is present in the status window, the TPFDD has been loaded. The system is then ready for user operations, such as a retrieval.

CAUTION: TPFDD selection in the TPFDD Editor is completely independent of the DART Summary/Situation mode selection of TPFDDs. These two functions may have either the same TPFDD, or two different TPFDDs, selected. As changes are made to a TPFDD via the TPFDD Editor, these changes may (if desired) be used to update the same TPFDD being analyzed in models.

4.2.5 TPFDD Operations Pop-Up Menu

This pop-up menu provides the main controls for choosing (selecting) and deleting TPFDDs; and for modifying TPFDD descriptive text data.

To activate the TPFDD Operations Pop-Up menu, click the mouse on the **TPFDD**: line in the white TPFDD Information Box. This will pop-up a menu of TPFDD related functions. One of two versions of the menu may appear, depending on whether a TPFDD has already been selected.

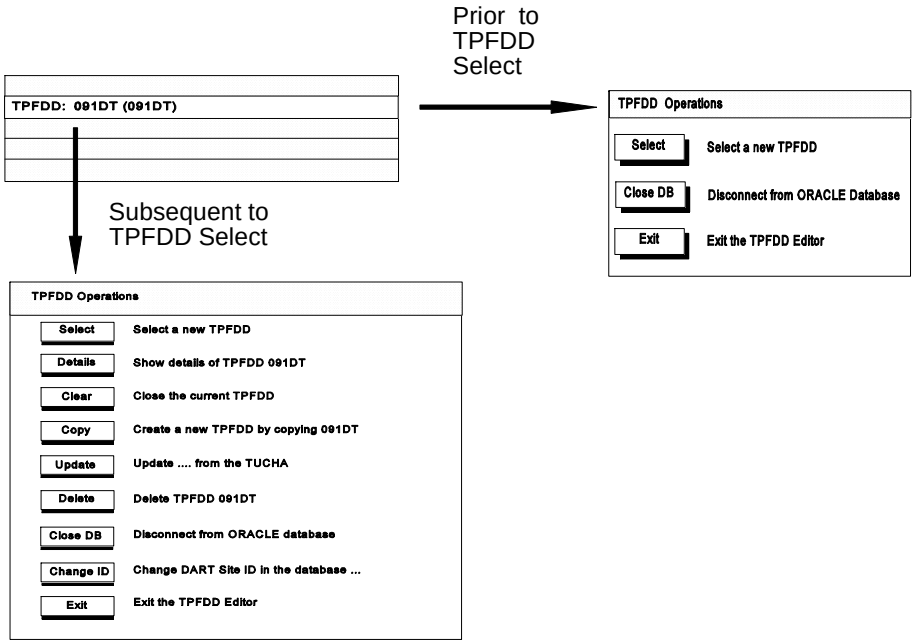


Figure 4-4: TPFDD Operations Pop-Up

Note: A "test" button may also be present. This was for prototype testing and is of no functional use to the user.

Prior to selecting a TPFDD, a short pop-up menu will appear, for selecting a TPFDD. Once a TPFDD has been selected, a longer menu will appear, supporting actions on that TPFDD. Both menus include the **Exit TPFDD Editor option**.

The possible options are:

Select

SELECT

This option allows the user to choose a TPFDD for viewing and editing.
To be available for selection, a TPFDD must have already been downloaded from WWMCCS/JOPES or have been created previously within DART by using the TPFDD Editor. For the selection, the user must know both the TPFDD Name and the supported OPLAN ID, since DART organizes TPFDDs under OPLANs.

Details

DETAILS

This option displays textual information on the currently selected OPLAN and TPFDD. A window with the following information will appear:

- *TPFDD Number*

  This is a DART system internal control number. This number cannot be edited since it is system generated. These numbers start at 100, and increment for every TPFDD loaded into the database.

- *TPFDD Name**

  The TPFDD Name entry may be edited. The warnings that appear during this process may safely be ignored, at this time.

- *OPLAN ID (PID)**

  This entry is actually the PID with which the TPFDD came from JOPES; or which was used for the creation of the TPFDD in DART (depending on the TPFDD source).

  This OPLAN ID cannot be edited since it is considered a permanent reference number. (If a new or different OPLAN ID is desired, it may be created in DART by creating a new TPFDD under a new OPLAN.)

- *OPLAN Date**

- *Change Number*

  Useful for cataloging TPFDD versions.

- *Security Classification**

  This entry is placed on the top and bottom of the TPFDD Editor window, and on the top of the main DART window, using appropriate WWMCCS color codes.

  The Security Classification entry can be edited using a pop-up menu with possible categories. If the **Other** category is selected, any text may be entered (such as "EXERCISE"); the entered text appears in the Details menu, but "OTHER" appears on the screen markings.

- *Description**

  Although unique for each TPFDD, the description entry for the first TPFDD loaded under an OPLAN ID is used as the description for that OPLAN, and displayed in the menu of OPLANs that is shown during the TPFDD selection process.

- *Objective Area*

  Free form field.

- *Task Organization*

  Free form field.

- *Owner UIC*

- *Concept of Operations*

  Free form field.

- *TPFDD TUCHA Date*

  This is the file date of the TUCHA file initially used to prepare a downloaded TPFDD; this date does not change when the TPFDD is later edited in DART; and remains blank when a new TPFDD is created wholly within DART.

- *Database TUCHA Creation Date*

  This is the date of the TUCHA file currently loaded in DART and accessible via the View function.

  (The TUCHA dates cannot be edited since they are JOPES derived.)

***** Fields marked with an asterisk are also displayed in the **TPFDD Information Box** (when data for those fields exists).

Unless noted, the field names can be edited. Click the left mouse button on the name of a field and the corresponding data becomes editable.

Exit the Details box by clicking the middle mouse button while the pointer is outside the box.

Clear

This option deselects the currently selected TPFDD. Changes made during this DART session are retained. When this option is selected, a "Disconnect from Database?" prompt appears. Normally, select **NO**. (See Close database option below.) This option is only available when a TPFDD has already been selected.

Copy

This option creates an entirely new TPFDD in the database, duplicating the contents of the TPFDD currently selected. This option is only available when a TPFDD has already been selected. The new copy will be created under the same OPLAN as the original TPFDD, and will have (initially) all of the same TPFDD text details.

A prompt will appear for a new TPFDD suffix if this option is selected. The suffix will be added to the end of the OPLAN ID to give the new TPFDD a name. A "Confirm?" prompt will appear; when confirmed, various in-progress status messages will appear.

Update

This option will update all unit (ULN) records of the selected TPFDD, based on new TUCHA file cargo data. This function should be considered whenever the TUCHA file data is updated in the DART database. Prior to its use, the impact upon non-standard ULNs should be considered.

Delete

This option completely erases the currently selected TPFDD and all of its corresponding data from the DART database. This option should be used with care. To merely deselect the current TPFDD, the **Clear** option should be chosen instead. This option is only available when a TPFDD has already been selected.

CAUTION: Coordinate with all appropriate offices prior to using this function. A deleted TPFDD may be unrecoverable.

Close DB

This option disconnects the system from the DART (Oracle) database. This function occurs normally on exiting DART, but may be used during operation if database problems are encountered. To reopen the database manually after closing it, go to the Retrieval portion of the TPFDD Editor and perform any query. Database opening is automatic with any function which requires use of the Oracle database. No data is lost by this function.

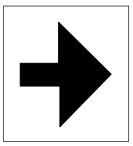
Change Site ID

This option should be accomplished by the system administrator to change the Site ID, the text string that is automatically inserted into any newly created TPFDD name.

Exit

This option quits and exits the TPFDD Editor. The current TPFDD will be deselected (saving all changes), the screen will return to the DART Main Menu, and this session of TPFDD Editing will be terminated. A prompt appears concerning closing the DART database; this is similar to the **Close DB** command. Normally, select **NO**.

4.2.6 Target TPFDD Arrow Box



The Target TPFDD Arrow box, in the top center of the TPFDD Editor Screen, allows the user to create a new TPFDD, or to copy requirements from the current TPFDD into a **Target TPFDD**.

4.2.7 Small Map Display

The small map display is used to control the geographical region displayed by the larger TPFDD Editor map.

4.2.8 Small Chart Display

The small chart display provides a secondary access route to retrieved requirements.

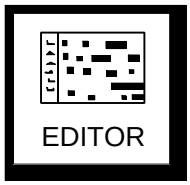
4.2.9 Security Classification

The security classification lines, top and bottom, reflect the classification setting of the selected primary TPFDD. This entry may be changed through the **TPFDD Details Sub-Menu** of the TPFDD Pop-Up Menu (paragraph 4.2.5).

4.2.10 Status and Comments Lines

These lines show system operating status, and provide useful information to the user. Whenever in doubt as to the results of an action, check these lines for guidance.

4.3 CHART DISPLAY



The TPFDD Editor Chart Display screen is the primary vehicle for making TPFDD changes (although the Cargo Editor and the PFE Timeline displays can also be used). The Chart Display Window is displayed:

- Initially upon starting the TPFDD Editor
- Upon the completion of any retrieval in the "Select Mode"
- Whenever the Display button is selected, from any other TPFDD Editor mode.

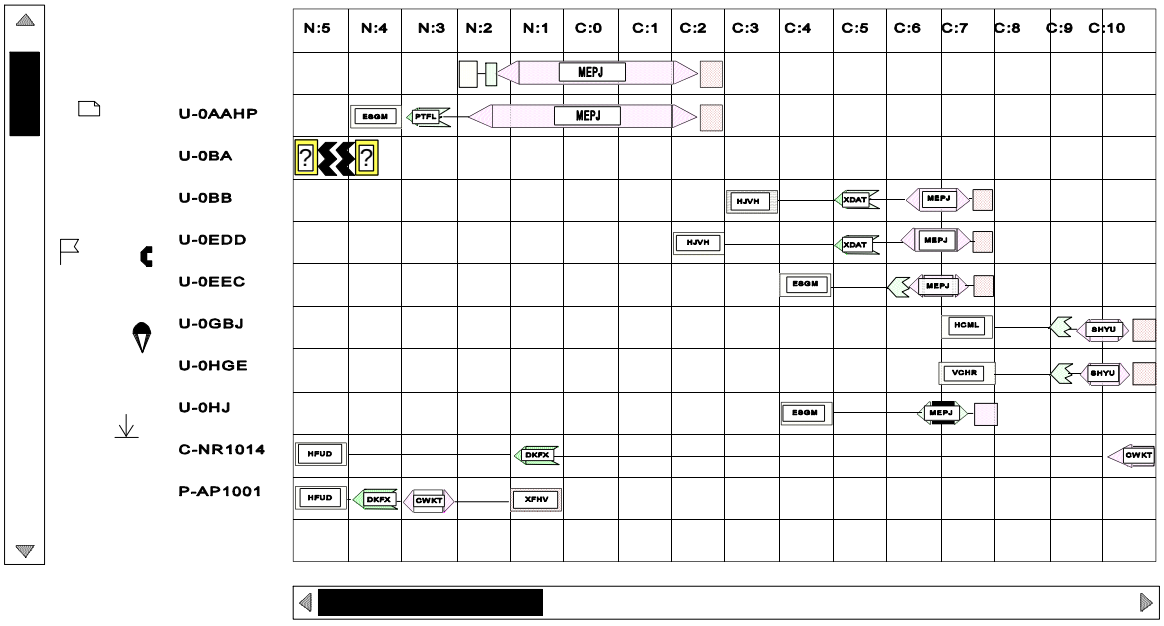


Figure 4-5: TPFDD Editor Chart Display

Note: For the beginning DART user, the easiest way to populate the TPFDD editor screen is to click on the "Express Retrieval" button on the main menu bar and selecting (point and click on) the "Retrieve Entire TPFDD" button in the pop-up menu.

In addition to the Chart Display, a MINIATURE CHART view with independent scrolling and data viewing capabilities is available in the upper right corner of the screen. This chart is always displayed in the TPFDD Editor screen regardless of what is displayed in the lower portion of this screen, and provides a secondary data reference source whenever some other function is being used in the main area. For example, if a movement requirement question arises while viewing the map, the appropriate requirement may be checked using the miniature

chart without leaving the map display. All view and editing functions are available in the miniature window. That can be useful for comparisons between two different regions of the collection, and for cross-referencing between the Chart Display and Cargo Edit functions.

The Chart Display screen displays movement requirement data for all TPFDD records that have been specifically retrieved. Each retrieved record is identified with a Requirement ID (ReqID), a DART identifier based on the original TPFDD ULN, CIN, or PIN designator, prefaced with U-, C-, or P-.

The quantity of records displayed could range from a single movement requirement to the entire TPFDD. This group of records is referred to as a **Collection**, a DART-unique term for any set of movement requirements retrieved for display and editing in the TPFDD Chart Display. The number of records in the collection is displayed on the right side of the title line near the middle of the screen.

After being retrieved, records may be further selected by "marking." Records may be "marked" individually, or in groups, to facilitate other operations.

Marking by Mouse

To quickly mark a **single requirement**, without using menus, point at the requirement and click the right mouse button. A **range of requirements** can be marked by clicking the middle mouse button on the first requirement, then click the middle mouse button on the last record in the range. This will activate a pop-up menu which enables marking or unmarking of that range of requirements.

Marking by Menu

To mark (or unmark) the **entire collection**, use the Mark Records button from the menu bar.

4.3.1 Location and Movement Symbols

The Chart Display provides a graphical representation of the time-phasing and transportation modes and sources of each individual movement requirement displayed in the collection.

The retrieved movement requirements (the **collection**), are listed vertically, in a bar chart format. Each movement requirement is shown with its ReqID, a set of location and movement symbols arranged by C-Day, and other special symbols selected by the user and appropriate for that movement requirement. The collection is sorted either by ReqID (the default), or by whichever sort arrangement the user has specified.

The location and movement symbology includes:

- **Location types** (i.e., Origin, Point of Embarkation (POE), Point of Debarkation (POD), Intermediate Location (ILOC), Destination), each of which has a certain shaped lozenge, color, and GEOLOC. A red "**?**" in one of the location symbols indicates that the corresponding GEOLOC is unspecified.

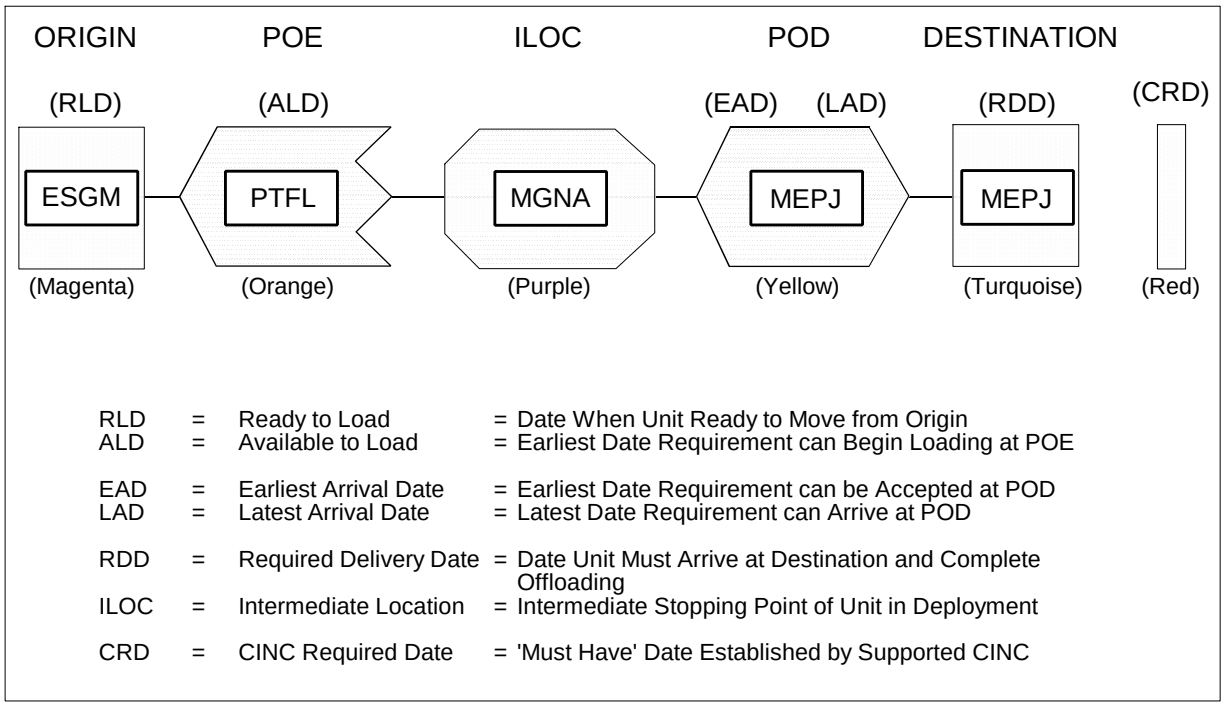


Figure 4-6: Location and Movement Symbols

- Each lozenge is displayed in the **date column** associated with its relative date.

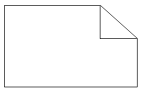
- The **lines** connecting these lozenges are color coded to represent the mode of transportation between the locations. The following color coding conventions are used for the movements lines:

Color Coding	Condition (date)
Blue Lines	Indicates movement by Air
Yellow Lines	Indicates movement by Land
Green Lines	Indicates movement by Sea
Gray Lines	No transportation needed or optional
Red Lines	Indicates unknown mode, error in mode, or illogical date sequence
Yellow Hash Marks	LAD falls before EAD (error in sequence)

4.3.2 Special ReqID Symbols

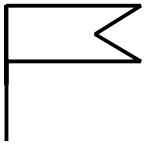
The following symbols, with the associated meanings, may appear to the left of the ReqID; all of these symbols (except for the Note symbol) are based on **Conditions Selected** under the **Options** pop-up menu (see below):

Yellow Note Symbol



A note has been attached to the corresponding record, using the ReqID option "Add Note"

Red Flag



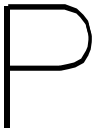
There is an error in the corresponding record; based on conditions checked:

- GEOLOC for unknown location for Air Mobility Command (AMC) move
- GEOLOC not air installation for AMC move
- GEOLOC not sea installation for Military Sealift Command (MSC) move
- Non-CONUS location for MTMC move
- Transportation mode and source for CONUS SPOE invalid.

Turquoise "S"

Record is identified as a shortfall requirement (PROVORG = X); based on conditions checked

Purple "P"

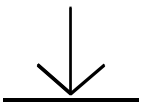


Parent record (PIC = X); based on conditions checked

Blue Telephone Handset

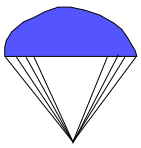
On call (LAD or RDD = 9999); based on conditions checked

Downward Green Arrow



In place (Mode of transportation to Destination = Z); based on conditions checked

Blue Parachute



Airdrop Loading (Load Configuration to POD = P); based on conditions checked

These symbols may be toggled on and off through the "options" button on the main menu bar. The meaning of a symbol may be verified highlighting the symbol with the mouse pointer; its meaning is shown in a remarks line.

CAUTION: The conditions indicated by these symbols cannot always be identified with total precision. User verification is strongly recommended.

4.3.3 C-Day

In DART, C-Days are displayed across the top of the TPFDD Editor Display screen. N-days (negative C-Days) are displayed if there are any N-Day movements in the retrieved collection.

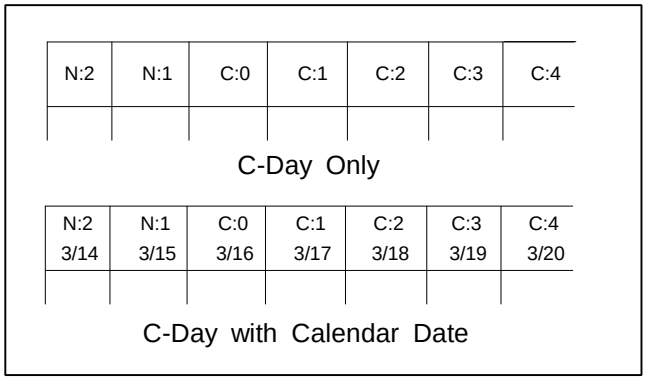


Figure 4-7: C-Day Representation

The C:0 day represents a starting date for plan execution. At some point, an actual calendar date is usually assigned to the C:0 day. DART provides a function to associate the calendar dates with C-Days.

The C-Day C:0 date is also displayed on the TPFDD Summary Panel of the Summary Screen, if one has been established for the applicable TPFDD. If the C-Day is showing on that panel, and a change is made to the basic TPFDD, the "Update Requirements" button must be activated to cause the C-Day date to update.